

PROJECT DESCRIPTION

GENERAL

THIS PORTION OF THE PROJECT INVOLVES THE ULTIMATE RECONSTRUCTION OF THE EXISTING TRAFFIC SIGNAL AT THE INTERSECTION OF MD 404 (SHORE HIGHWAY) AND MD 480 (RIDGELY ROAD) / RIDGELY ROAD IN CAROLINE COUNTY DUE TO GEOMETRIC CHANGES. MD 404 IS ASSUMED TO RUN IN AN EAST/WEST DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION WILL CONTINUE TO OPERATE IN A NEMA SIX PHASE, FULL ACTUATED MODE. THE EXISTING MAINLINE EXCLUSIVE/FLASHING RED ARROW LEFT TURN PHASES AND CONCURRENT SIDE STREET PHASING WILL REMAIN. THE EXISTING PRE-EMPTION PHASES WILL REMAIN.

CONTROLLER REQUIREMENTS

THE EXISTING BASE MOUNTED CABINET, CONTROLLER AND ASSOCIATED HARNESSES SHALL REMAIN.

THE CONTACT PERSONS FOR DISTRICT #2 / OOTS ARE AS FOLLOWS:

District #2

Mr. Robert L. Kiel
Assistant District Engineer - Traffic
Phone: 410-810-3240

Mr. Barry Clothier
District Utility Engineer
Phone: 410-810-3275

Mr. Terry O. Wright
Assistant District Engineer - Maintenance
Phone: 410-810-3250

Mr. WM Norris Embert
Assistant District Engineer - Construction
Phone: 410-810-3270

Office Of Traffic & Safety

Mr. Richard L. Daff Sr.
Chief, Traffic Operations Division
Phone: 410-787-7630

Mr. Robert Snyder
Assistant Division Chief, Traffic Operations
410-787-7630

Mr. Edward Rodenhizer
Team Leader Signal Operations
Phone: 410-787-7650

Mr. Eugene Bailey
Team Leader Sign Operations
410-787-7670

The Power Company Representative is:
Choptank Electric Cooperative, Inc.
Route 404 & Route 328
Denton, Maryland 21629
Phone: 1-877-829-0001

EQUIPMENT LIST 'A'

EQUIPMENT TO BE FURNISHED BY THE SHA.

CATEGORY CODE	QUANTITY	DESCRIPTION
973023	64 SF	SHEET ALUMINUM SIGNS: 2 EA - D3-2 (96 IN. x 16 IN.) "SHORE HWY" DUAL FACED 2 EA - D3-2 (96 IN. x 16 IN.) "RIDGELY RD" DUAL FACED SHIELD ASSEMBLIES : 1 EA - SHIELD ASSEMBLY (30 IN. x 51 IN.) "NORTH, MD 480, LEFT ARROW" 1 EA - SHIELD ASSEMBLY (30 IN. x 51 IN.) "NORTH, MD 480, RIGHT ARROW 45°"

EQUIPMENT LIST 'B'

EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR.

CATEGORY CODE	QUANTITY	DESCRIPTION
120500	1 LS	MAINTENANCE OF TRAFFIC
585625	185 LF	24 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKINGS
800000	100 LF	PULL-BACK AND RE-ROUTE EXISTING CABLE
800000	3 EA	RELOCATE EXISTING VIDEO DETECTION CAMERA
800000	1 LS	REMOVE AND DISPOSE OF TRAFFIC SIGNAL EQUIPMENT
801106	52 LF	WOOD SIGN SUPPORTS 4 INCH x 6 INCH
810605	3 EA	NONINVASIVE DETECTOR, 1000 FOOT LEAD IN CABLE
813014	21 SF	INSTALL GROUND MOUNTED SIGN
813015	43 SF	INSTALL OVERHEAD SIGN
860284	8 EA	12 INCH LED VEHICULAR TRAFFIC SIGNAL HEAD SECTION
861108	700 LF	ELECTRICAL CABLE - 7 CONDUCTOR (NO.14 AWG)

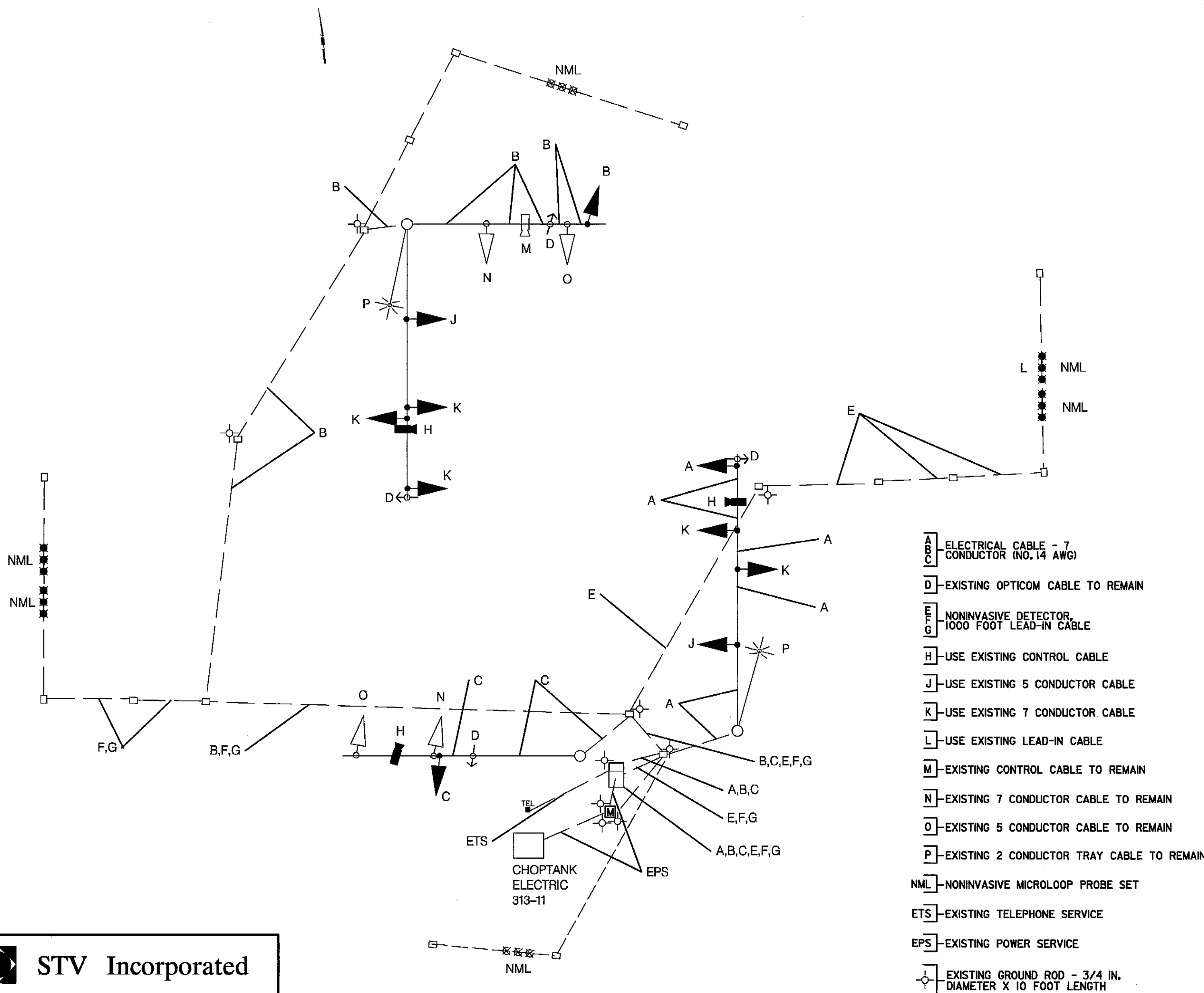
EQUIPMENT LIST 'C'

EQUIPMENT TO BE REMOVED AND RETURNED TO SHA.

CATEGORY CODE	QUANTITY	DESCRIPTION
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NONE - ALL REMOVED EQUIPMENT SHALL BECOME THE PROPERTY OF THE CONTRACTOR

WIRING DIAGRAM



PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	
PHASE 1 AND 5	←G←	←G←	R	R	←G←	←G←	R	R	R	R	R	R	R	R	R
PHASE 1 AND 5 CHANGE TO 1 AND 6, 2 AND 5, OR 2 AND 6															
PHASE 1 AND 6	←G←	←G←	G	G	←R←	←R←	R	R	R	R	R	R	R	R	R
PHASE 1 CHANGE	←Y←	←Y←	G	G	←R←	←R←	R	R	R	R	R	R	R	R	R
PHASE 2 AND 5	←R←	←R←	R	R	←G←	←G←	G	G	R	R	R	R	R	R	R
PHASE 5 CHANGE	←R←	←R←	R	R	←Y←	←Y←	G	G	R	R	R	R	R	R	R
PHASE 2 AND 6	FL/RA	FL/RA	G	G	FL/RA	FL/RA	G	G	R	R	R	R	R	R	R
PHASE 2 AND 6 CHANGE	FL/RA	FL/RA	Y	Y	FL/RA	FL/RA	Y	Y	R	R	R	R	R	R	R
PHASE 4 & 8	←R←	←R←	R	R	←R←	←R←	R	R	G	G	G	G	G	G	G
PHASE 4 & 8 CHANGE	←R←	←R←	R	R	←R←	←R←	R	R	Y	Y	Y	Y	Y	Y	Y
PRE-EMPTION 01	←R←	←R←	R	R	←R←	←R←	G	G	R	R	R	R	R	R	R
PRE-EMPTION 01 CHANGE	←R←	←R←	R	R	←R←	←R←	Y	Y	R	R	R	R	R	R	R
PRE-EMPTION 02	←R←	←R←	R	R	←R←	←R←	R	R	R	R	R	←GG	←GG	G	G
PRE-EMPTION 02 CHANGE	←R←	←R←	R	R	←R←	←R←	R	R	R	R	R	Y	Y	Y	Y
PRE-EMPTION 03	←R←	←R←	R	R	←R←	←R←	R	R	←GG	←GG	G	R	R	R	R
PRE-EMPTION 03 CHANGE	←R←	←R←	R	R	←R←	←R←	R	R	Y	Y	Y	R	R	R	R
PRE-EMPTION 04	←R←	←R←	G	G	←R←	←R←	R	R	R	R	R	R	R	R	R
PRE-EMPTION 04 CHANGE	←R←	←R←	Y	Y	←R←	←R←	R	R	R	R	R	R	R	R	R
FLASHING OPERATION	FL/RA	FL/RA	FL/Y	FL/Y	FL/RA	FL/RA	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R



STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 404 (SHORE HIGHWAY) AT
MD 480 (RIDGELY ROAD)/RIDGELY ROAD
ULTIMATE SIGNAL

GENERAL INFORMATION

SCALE	NONE	DATE	CONTRACT NO.	CO3235170
DESIGNED BY	MCG	COUNTY	CAROLINE	
DRAWN BY	MCG	LOGMILE	05040400.73	
CHECKED BY	BAB	T.I.M.S. NO.	1833	
F.A.P. NO.	SEE TITLE SHEET	TOD NO.	NA	

TS NO. 3828G-GI	DRAWING SG-06 OF 06	SHEET NO. 119 OF 138
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